



## SMC6128L2/SMC6152L2

TigerSwitch™ 10/100 Standalone 24/48-port 10/100 Managed Layer 2 Switch with 4 x Gigabit Combo ports



### OVERVIEW

The SMC6128L2/SMC6152L2 provides wire speed 10/100 Fast Ethernet switching with features specifically designed for SMB workgroup environments. The switch has 4 built in Gigabit ports providing enhanced uplink capabilities. An integrated part of this switch family is the IP Clustering function. The feature allows customers to group together up to 32 switches into a single logical group which can be managed using a single IP address. The switch features advanced Quality of Service features that can reduce the latency of packets through the network, with specific traffic prioritization improving the delivery of converged data such as voice and high quality video over IP. Other standard features included are Spanning Tree and IGMP for protecting your network against loops and managing your IP multicasts enhances the productivity and problem free networking. There are 4 Gigabit combo ports (RJ-45/SFP). Overall this switch is part of flexible switch family which brings PoE and non-PoE switches to the edge of the network.

### KEY FEATURES

#### Comprehensive security support

Currently supports RADIUS, IEEE802.1x, SSH, SSL, TACACS+, ACL for enhanced security.

#### Flexible QoS and VLAN

QoS allows prioritization based on 802.1p and DSCP using 4 priority queues for better network performance and VLAN support with automatic GVRP LAN registration for more efficient management.

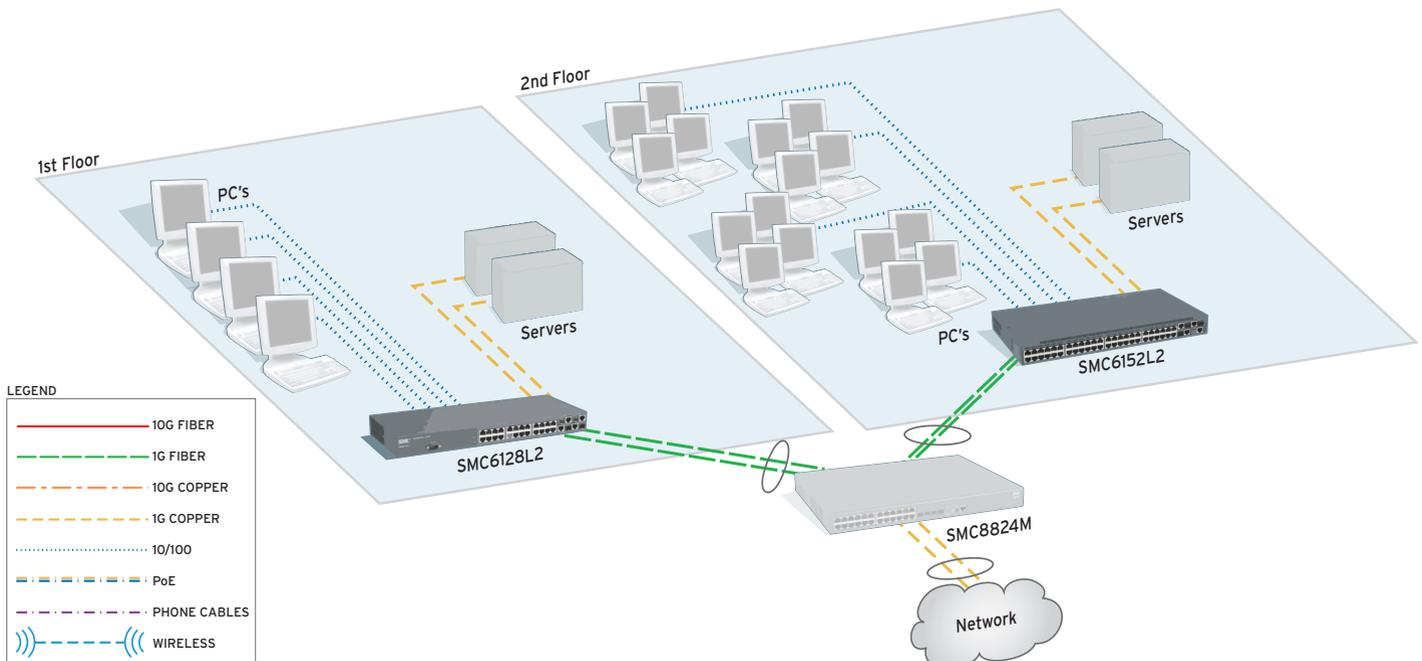
#### High-gigabit port density in a small footprint

With 24/48 fast Ethernet ports and 4 Combo ports, this switch provides high speed and legacy connections to all nodes on the network. The 4 combo ports allow fiber connections to be connected, thereby ensuring a migration path for network installations.

#### IP Clustering

IP Clustering allows up to 32 units to be managed from a single IP address

### APPLICATION DIAGRAM



## TECH SPECS - SMC6128L2 / SMC6152L2

### PORTS

- 24/48 10/100BASE-T ports
- 4 Gigabit combo ports (RJ-45/SFP)

### NETWORK INTERFACE

- 10/100 BASE-T ports
- 10/100/1000 BASE-T ports
- SFP Transceiver slots supporting SX, LX and ZX SFP
- Multimode fiber cable; 62.5/125 or 50/125 microns
- Singlemode fiber cable: 9/125 micron

### SWITCHING FABRIC

- SMC6128L2 - 12.8 Gbps / 9.5Mpps
- SMC6152L2 - 17.6 Gbps / 13Mpps

### BUFFER ARCHITECTURE

- 4Mbits

### SWITCHING DATABASE

- 8K MAC address entries

### MEMORY

- SMC6128L2: 64MB SDRAM/ 16MB Flash
- SMC6152L2: 64MB SDRAM/ 16MB Flash

### LED

- System: Power, Diag
- Ports: Link/activity

### TEMPERATURE

- Operating: 0 to 40 °C/32 to 104 °F
- Storage: -40 to 70 °C/-40 to 158 °F

### HUMIDITY

- Operating: 10% to 90% (non-condensing)

### WEIGHT

- SMC6128L2 - 3 kg/6.7 lbs
- SMC6152L2 - 3.15 kg/6.96 lbs

### DIMENSIONS

- 440 x 171 x 43 mm
- 17.3 x 6.7 x 1.7in

### AC INPUT

- 100 to 240 V, 50-60 Hz, 1A

### POWER SUPPLY

- Internal, auto-ranging transformer: 100 to 240 VAC, 50 to 60 Hz

### POWER CONSUMPTION

- 30 Watts maximum

### MAXIMUM CURRENT

- 0.25 A @ 115 VAC
- 0.12 A @ 230 VAC

### MTBF

- 8 Years

### SWITCH FEATURES

- Spanning Tree Protocol (802.1D, .1w)
- Forwarding Mode
  - Store-and-forward
- VLAN Support

- Up to 255 groups; port-based or with 802.1Q
- VLAN tagging, GVRP for automatic VLAN learning
- 802.1v (Protocol based Vlans)
- Private vlan support
- MultiLink Trunking (LACP)
  - 8 groups of up to 8 ports
- IEEE 802.1x
- L2/L3/L4 access control lists
- RADIUS
- TACACS+ client authentication
- HTTPS and SSL
- SSH (v1.5 and 2.0) for Telnet sessions
- Static port security
- Jumbo Frame support (on gigabit ports)

### QUALITY OF SERVICE

- Supports 4 levels of priority with flexible classification and prioritization
- Per port bandwidth management
- Diffserv, IEEE802.1p (priority queues), DSCP, or TCP/UDP port based

### DIAGNOSTIC FEATURES

- Port Mirroring
- Remote Ping
- Event/Error Log
- SMTP
- SNTp

### MANAGEMENT FEATURES

- In-Band Management
  - Telnet, SLIP, Web-based HTTP, or SNMP manager
- Out-of-Band Management
  - RS-232 DB-9 console port
- Software Loading
  - TFTP in-band or Xmodem out-of-band
  - Dual firmware images
  - Multiple configuration files support
- MIB Support
  - MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 2665), Bridge MIB Extensions (RFC 2764), RMON MIB (RFC 1757), RFC 2737, RFC 2742, RFC 2021, RFC 2863, RFC 2618, SMC private MIB

### RMON SUPPORT

- Groups 1,2,3, 9 (Statistics, History, Alarm, Event)

### STANDARDS

- IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet, IEEE802.3ab, IEEE802.3z Gigabit Ethernet
- IEEE802.1D Spanning Tree Protocol and traffic priorities
- IEEE802.3x Flow Control
- IEEE802.1p Priority tags
- IEEE802.1Q VLAN
- IEEE802.1ac VLAN tagging
- IEEE802.3ad Link aggregation control protocol
- IEEE802.1w Rapid Spanning Tree
- IEEE802.1v Protocol Based Vlans

### ISO

- IEC8802.3

### COMPLIANCES

- CE Mark
- Emissions
- FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- EN 61000-3-2/3
- VCCI Class A
- Immunity
  - EN 61000-4-2/3/4/5/6/8/11

### SAFETY

- UL / CUL (UL 60950-1, CSA 22.2 NO60950-1)
- TUV/GS (EN60950-1)
- CB (IEC60950-1)

### WARRANTY

- Please check [www.smc.com](http://www.smc.com) for the warranty terms in your country/region

## SLIDE-IN TRANSCEIVERS FOR COMBO PORTS

### SMC1GSFP-SX

- 1G SX SFP Transceiver, 550M, Multimode fiber

### SMC1GSFP-LX

- 1G LX SFP Transceiver, 10Km, Singlemode fiber

### SMC1GSFP-ZX

- 1G LH SFP Transceiver, 70Km Singlemode fiber

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